Customer : ROXBURGH ELECTRONICS LIMITED

No. KX-96-0795

Date : Jan. 29. 1996

Attention:

Your ref. No:

Your Part. No : 21 1140

SPECIFICATIONS

ALPS' ;

MODEL RK09K11310KA

Spec. No. :

Sample No. : G0445613M

RECEIPT STATUS

RECEIVED

By. Date

Signature

Name

Title

ALPS ELECTRIC CO., LTD.

HEAD OFFICE
1-7, YUKIGAYA-OHTSUKA-CHO,
OHTA-KU, TOKYO 145 JAPAN

DSG'D M. Sato

APP'D C. Maeda

ENG. DEPT. DIVISION

Sales

No. KX-96-0795

SPECIFICATIONS

1. THIS SPECIFICATIONS APPLY TO RK09K1130 POTENTIOMETERS.

2. CONTENTS OF THIS SPECIFICATIONS.

G0445613M
K091C0Z06

3. MARKING

·MARKING ON ALL UNITS
DATE CODE, RESIST. VALUE, TAPER

4. REMARKS

· NOTES

·METHOD OF MARKING
TO BE STAMPED WITH BLACK INK OR LASER MARKING
·This unit uses polycarbonate. To be careful for using this unit in such violent gas atmospheric condition as ammonia, amine, alkaline aqueous solution, aromatic hydrocarbon, keton, ester, alkyl hydrocarbon, etc.

SPECIFICATIONS

ELECTRICAL

1. Total resistance : 10k Ω ±20%
2. Rated power : 0.05 W
3. Rated voltage :

   The rated voltage shall be the voltage of D.C. or A.C. (commercial frequency, effective value) corresponding to the rated power (dissipation), and be obtained from the following formula. When the obtained rated voltage exceeds the maximum working voltage given in the following, however, the maximum working voltage of the following shall be the rated voltage.

   $$E = \sqrt{P \cdot R} \ (V)$$

   Where E : Rated voltage (V)
   P : Rated power (dissipation) (W)
   R : Nominal total resistance (Ω)

   Maximum working voltage : 50 V A.C., 20 V D.C.

4. Residual resistance between terminals
   between term. 1&2, term. 2&3 : 300Ω max.
5. Sliding noise : Less than 100 mV measured by method of JIS C 6443.
6. Insulation resistance : Greater than 100 MΩ measured by D.C. 250V.
7. Withstand voltage: More than 1 minute with an application of A.C. 250 V.
8. Taper : A

MECHANICAL

1. Overall rotational angle : 280°±5°
2. Operation torque : 10~80 gf·cm
3. Shaft end stop strength : 3 Kgf·cm MIN.
4. Starting toruque : 100 gf·cm MAX.
5. Resistance to soldering heat :
   After soldering (Less than 300°C and quicker than 3 seconds) there shall be no evidence of poor contact between resistance element and terminals, or any physical damages as a result of the test.
6. Play of shaft :
   The resistor shall be mounted by soldering the mounting legs on the panel, and a side thrust of 250 gf·cm at the end of the shaft shall be applied, then the total play of the shaft shall not exceed 0.8 × L / 20 mm p-p.
7. Eccentricity of shaft :
   The eccentricity of the root of shaft shall not exceed 0.35mm against the center of the mounting position.
8. Robustness of shaft against end thrust :
   The shaft shall withstand against end thrust of not less than 5 Kgf for 3 seconds.
9. Robustness of shaft against side thrust :
   The shaft shall withstand against side thrust of not less than 4 Kgf·cm for 3 seconds on the end of the shaft at right angles to the axis of the shaft after mounting the resistor by soldering.

ENDURANCE

1. Rotational life : 5,000 cycles min.

NOTE

1. The items except above mentioned items shall meet or exceed JIS C 6443.
2. Operating temperature : -10°C~+60°C. 3. Storage temperature : -30°C~+70°C.

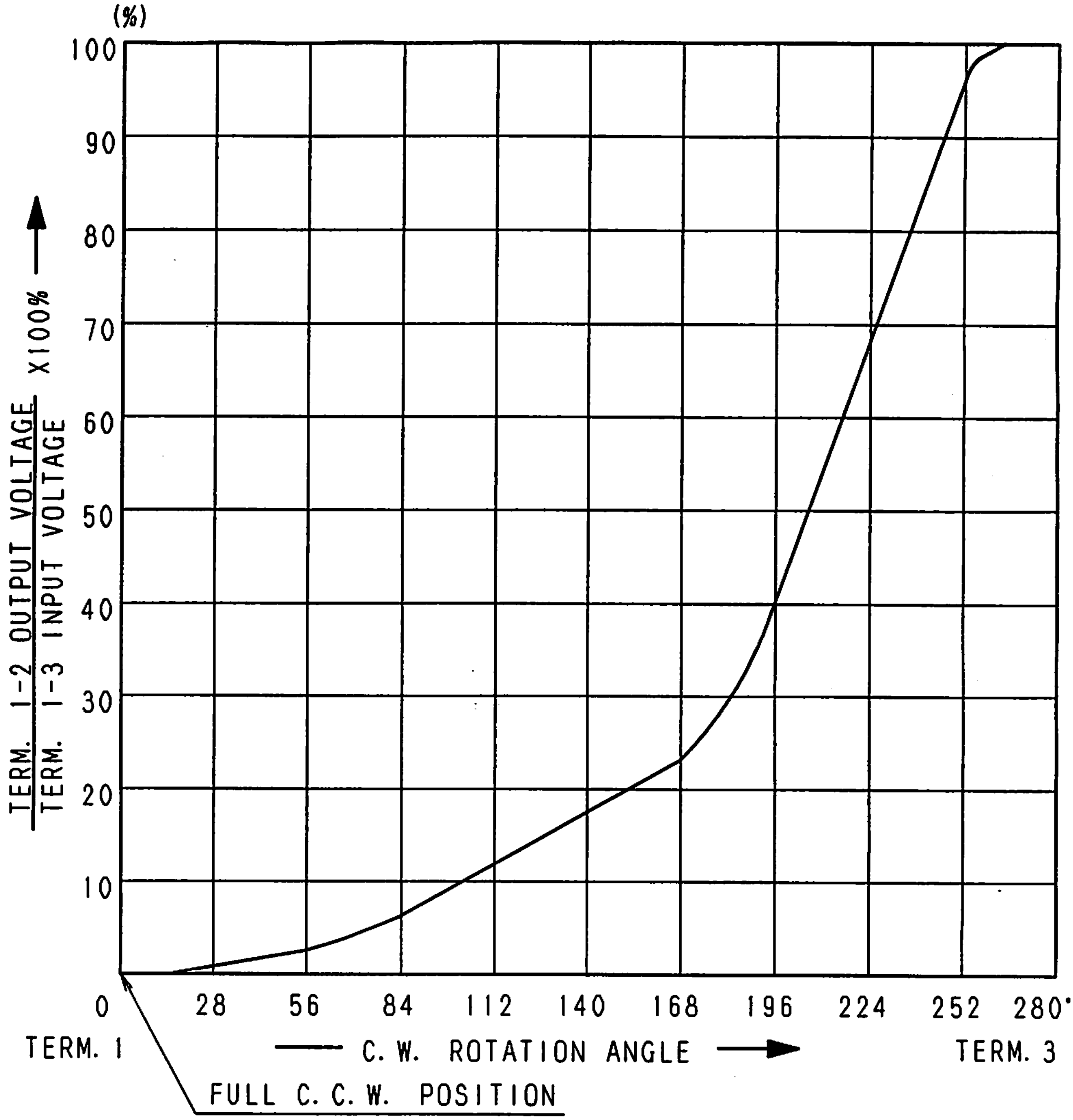
SYMB	DATE	APPD	CHKD	DSGD

ALPS ELECTRIC CO., LTD.

APPD.	CHKD.	DSGD.	TITLE
Jul. 13. '93	Jul. 13. '93	Jul. 13. '93	
S. Aizawa	M. Satoh	Y. Saitoh	DOCUMENT NO. G0445613M

KY

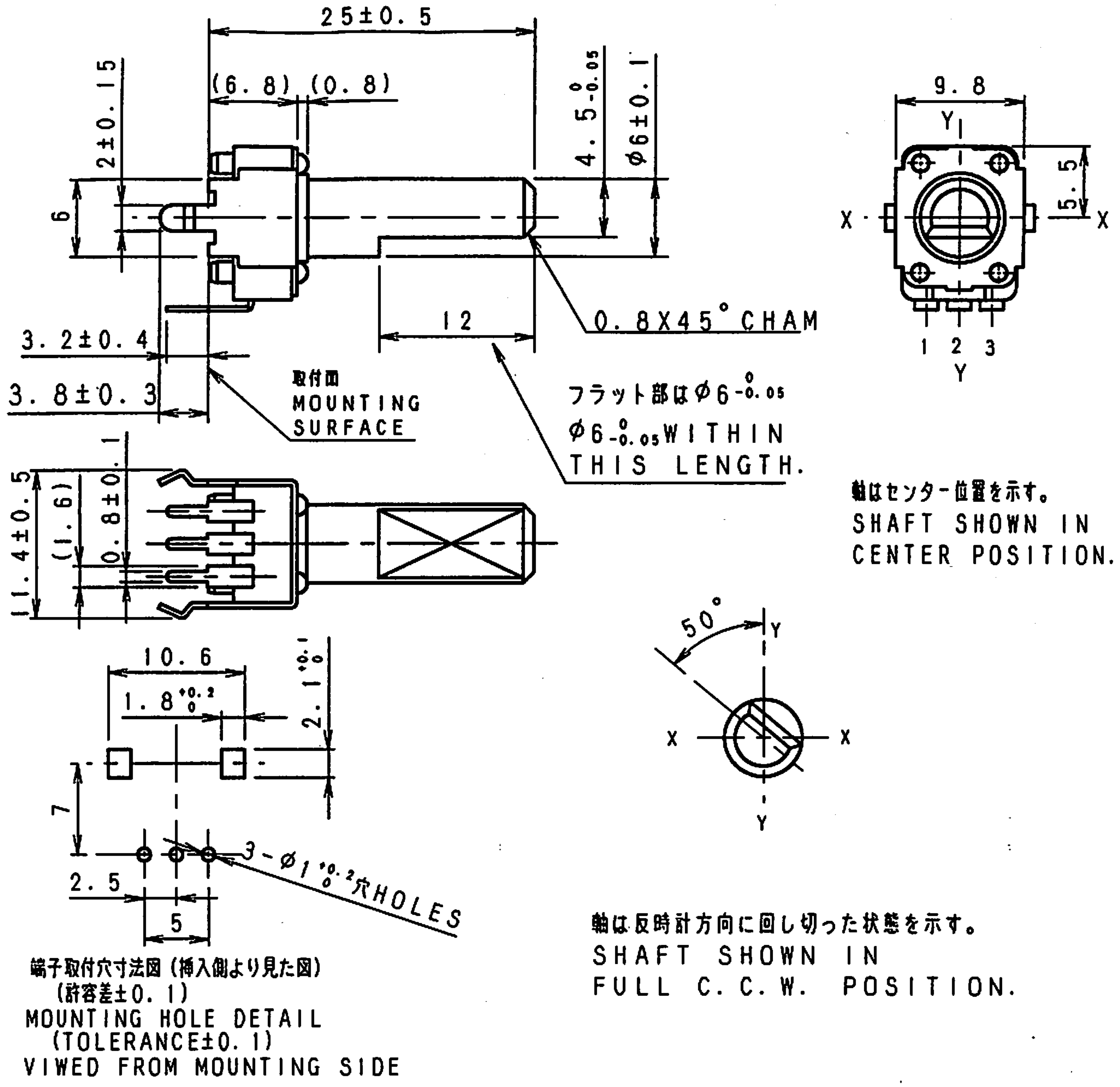
ALPS ELECTRIC CO., LTD
1-7 YUKIGAYA OTSUKA-CHO OTA-KU TOKYO JAPAN



AT 140° C.W. SHAFT ROTATION FROM FULL C.C.W. POSITION VOLTAGE PERCENT SHALL FALL WITHIN THE LIMITS OF 10~25 PERCENT.

SYMB	DATE	APPD	CHKD	DSGD	APPD.	CHKD.	DSGD.	NAME / DOCUMENT NO.
					Jul. 13.'93	Jul. 13.'93	Jul. 13 '93	RESISTANCE TAPER (A)
					K. Magami	K. Sasaki	K. Suzuki	G0445613M

KX09



製品重量：1.8 g
NET WEIGHT

指定なき部分の許容差 TOLERANCES UNLESS OTHERWISE SPEC	
L≦10	±0.3
10＜L＜100	±0.5
100≦L	±0.8
角度 ANGULAR DIMENSION	±5°

PART NO.	NAME	MATERIAL NAME / CODE	FINISH
—	—	—	SHAFT COLOR : BLACK (B)

ALPS ELECTRIC CO., LTD.

DSGD. I-設計I課 Y. Saitoh 93-10-01	SCALE 2 : 1	G0445613M
CHKD. Y. Satoh 93-10-01		TITLE 9形1軸単連絶縁軸VR
APPD. S. Aizawa 93-10-01	UNIT mm	DOCUMENT NO. K091C0Z06

SYMB	DATE	APPD	CHKD	DSGD